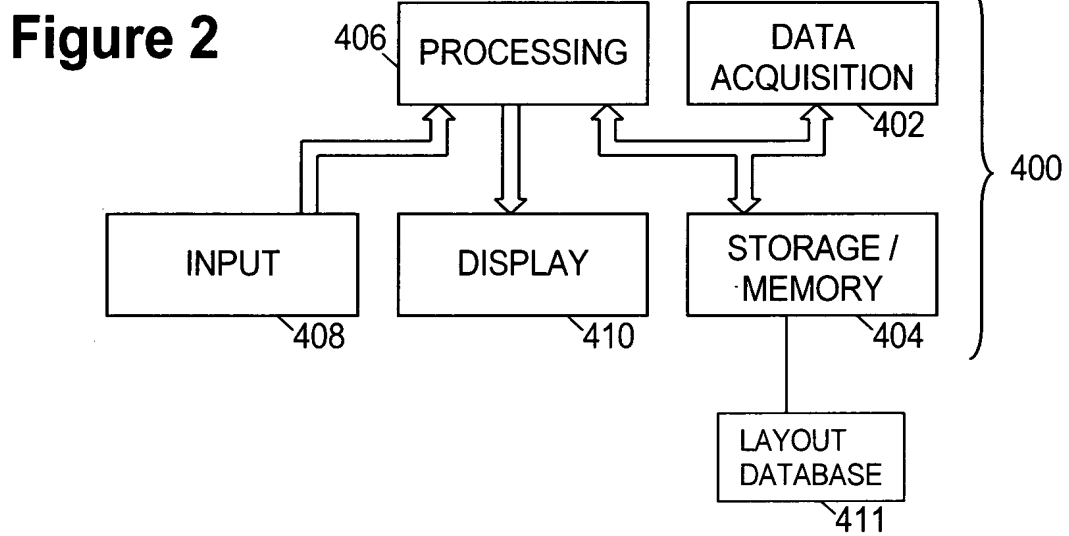
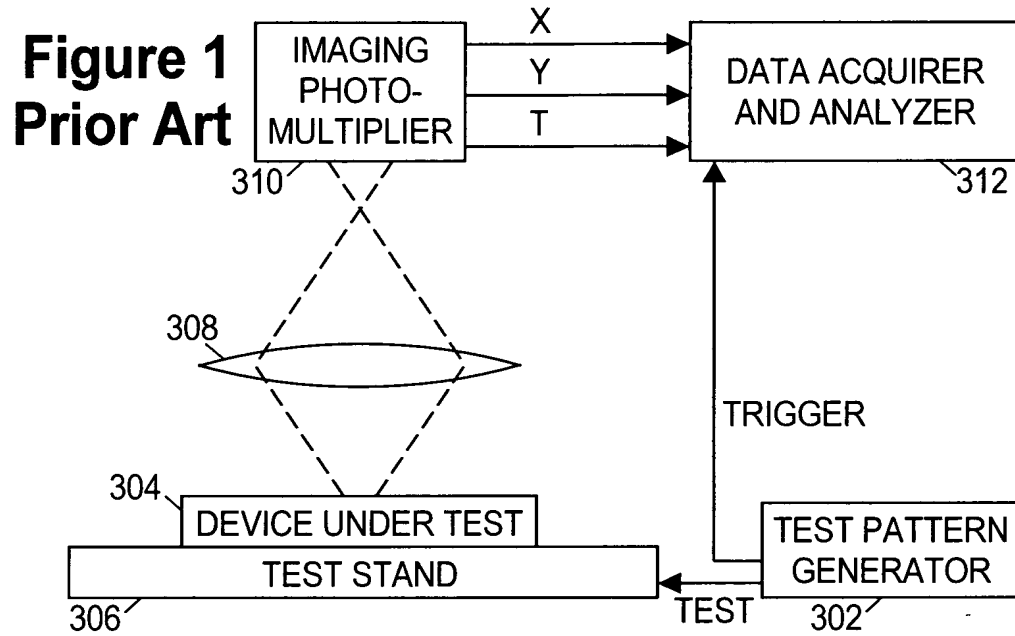


1/4





3/4

600

```
LaplaceCDFdiff = Compile[{a,b,Δ}, Module[
(* Computes F[b,Δ] - F[a,Δ] where F is the Laplace CDF *)
(* John Kitchin, HP *)
(* Underlying Laplace PDF is Exp[-Abs[t]/2 , so scale factor = 1 *)
(* Underlying Uniform is Uniform on [-Δ,Δ] *)
(* so Δ is in units of the Scale Factor *)
{r = ea,
s = eb,
t = eΔ,
q},
u = tz;
q = 4Δt;
If[b < -Δ, If[a < -Δ, (s-r) (-1+t2),
If[a < Δ, -s - 1/r + r + st2 - 2t(a+Δ),  $\frac{-1-sr+t^2+srt^2-4rt\Delta}{r}$  ],
If[b < Δ, If[a < -Δ,  $\frac{1}{s} - s + r - rt^2 + 2t(b+\Delta)$ , If[a < Δ,  $\frac{1}{s} - s - \frac{1}{r} + r + 2(b-a)$ 
 $\frac{-1+\frac{r}{s} - sr + t^2 - 2rt(\Delta-b)}{r}$  ], If[a < -Δ,  $\frac{1}{s} + r - \frac{t^2}{s} - rt^2 + 4t\Delta$ ,
If[a < Δ,  $\frac{1}{s} - \frac{1}{r} + r - \frac{t^2}{s} + 2t(\Delta-a)$ ,  $\frac{(s-r)(-1+r^2)}{sr}$  ]]]]/q
]
```

Figure 4A

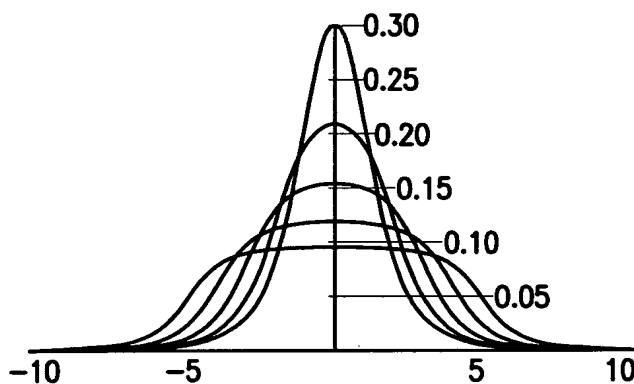


Figure 4B